

Lecture 5 to

Mateau

Medica

SELKIRK LEFT ON THE ISLAND.



Alexander Selkirk, a Scotch sailor, was left upon the island of St. Juan Fernandez, where he dwelt for a number of years, having no company but beasts to dwell with. Here he lived a solitary life, and was finally taken home in a ship that touched at the island, to the great surprise of his friends. (See the adventures of the "Real Robinson Crusoe," published by Mahlon Day, New-York.)

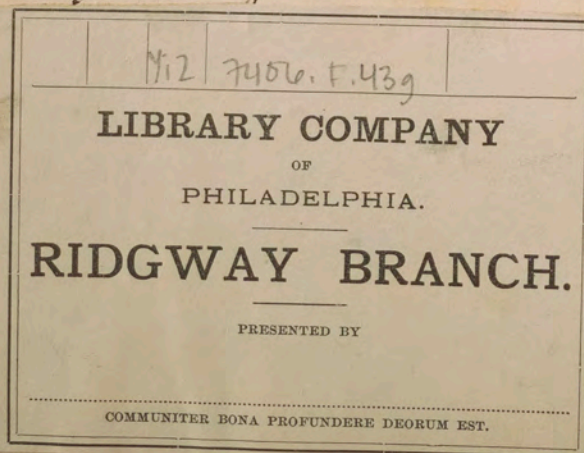
SOLD BY JOSEPH M'DOWELL, NO. 25, MARKET-STREET, PHILADELPHIA.

Burdach - arranged articles of Mat: Med:
according to their chemical Analogies -
Arrangements also made according to
the Physical properties of Medicines -

Cullen's Arrangement, founded upon
the general Effects of Remedies -
and also in its minor Subdivisions
upon their Physical Relations -

Alibert - according to the relations
which Remedies bear to particular
organs or Structure -

Dr Granville of England - combining
both the System of Cullen - and Alibert -



Gent —

I shall enter to day, upon the
article of the Materia Medica — But
before I proceed any further — allow me
to indulge in a few remarks — I had such
painful experience. whilst an ungraduated
Student. in listening to the tedious. and
time wasting speculations upon the Modus
Operandi of Medicines — that I consider it
unpardonable — whilst enjoying the honora-
ble privilege of being your Teacher. — to
dare to inflict that Medical ~~manipulation~~ ^{humiliation}
upon you — — — — — “Experientia Docet”
is a maxim — with which you are all
familiar ~~and I should shew my-~~
~~self utterly ignorant of its immediate~~
application — in an attempt. to waste
your time — with these Idle discussions —

In Science — as in Manu — There
is an indelible ~~of~~ ⁱⁿ principle its domestic Se-
cret — — — — — The Universal Custom of
Society — has set its pottering seal. upon
forbids the propriety of the Letter

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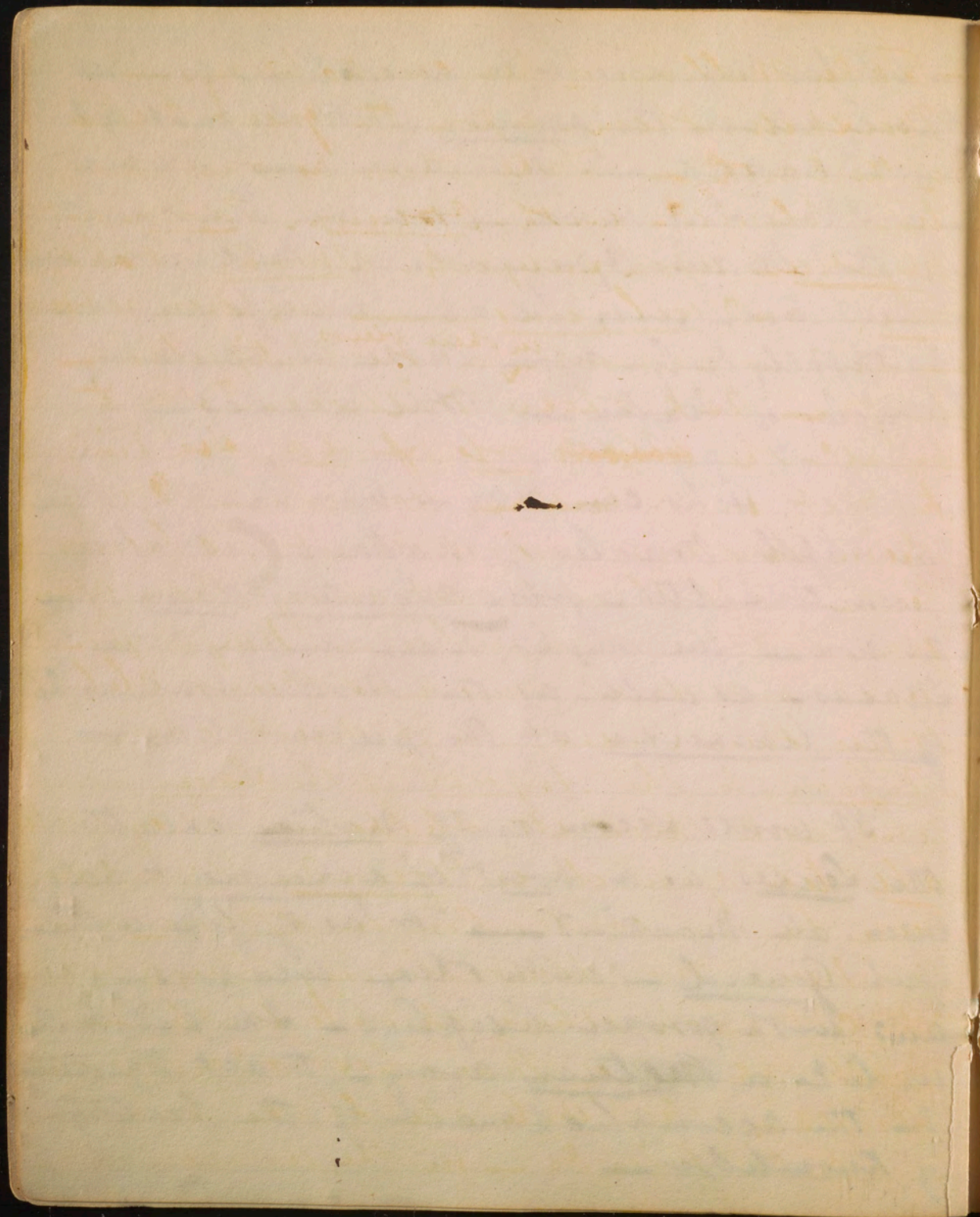
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— whilst Refinement in Perception — can as
Easily see — in the former — its disgust at
Such impertinent intrusion — I repeat
— as I have said before — we are Ignorant
of the Modus Operandi of Medicines —
— and Ever will be so — unless we more
faithfully rely — upon those undecieving
Oracles of Nature — The Senses —

Who can Say — but that if these
faithful Oracles of Nature — had alone
been consulted — from creation's dawn — un-
til now — we might have known — the
Cause — as well — as the Modus Operandi
of the Universe at the present time —

It would seem as if Nature created
the Senses as a bond of agreement bet-
ween all Mankind — or as if like a Skill-
ful General — with these weapons —
and with proper discipline — she had made
us like a Veteran army — to act together —
in the accomplishment of the victory
of Knowledge —



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- Take millions of her created beings -
Marched. them - upon the great arena
of the Earth - Take them as they may
be. Blinded - with Opinion. Prejudice and
prejudice - upon subjects. Moral Politi-
cal - and religious - differing as far
- and as opposite ^{in their views} as the antipodes of
Earth - Ask these millions. I say to
behold. The ~~blazing~~ orb of day sinking
to rest in the ~~western~~ horizon - Bring
them ~~to~~ this common point of observa-
- tion - Tell them to cast away their Opin-
- ions. and their prejudices - May - you
need not do as much as this - Only
Move their Lenses - and direct their
Vision to the figures of the Sun -
and ask them its Shape - They will
all tell you it is Round - Then will
now be no contention in Opinion -
- Now no demoralizing Prejudice
to cut each others throats with -
with the aid of many best advisors the
Lenses - They will all shake hands -
and be friends - in this universal

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agreement. of Truth — So it is with
the opinions of the Modus Operandi of
Medicines — whilst we are contented
with the knowledge which our Senses
have given us upon this Subject — we
shall all — agree — But let Imagina-
tion — Conjecture — Speculation — pour their
Spen. tales into our Ear^{and} — the Seeds of
Mental discord — will soon be matured
into open Rebellion against Nature —

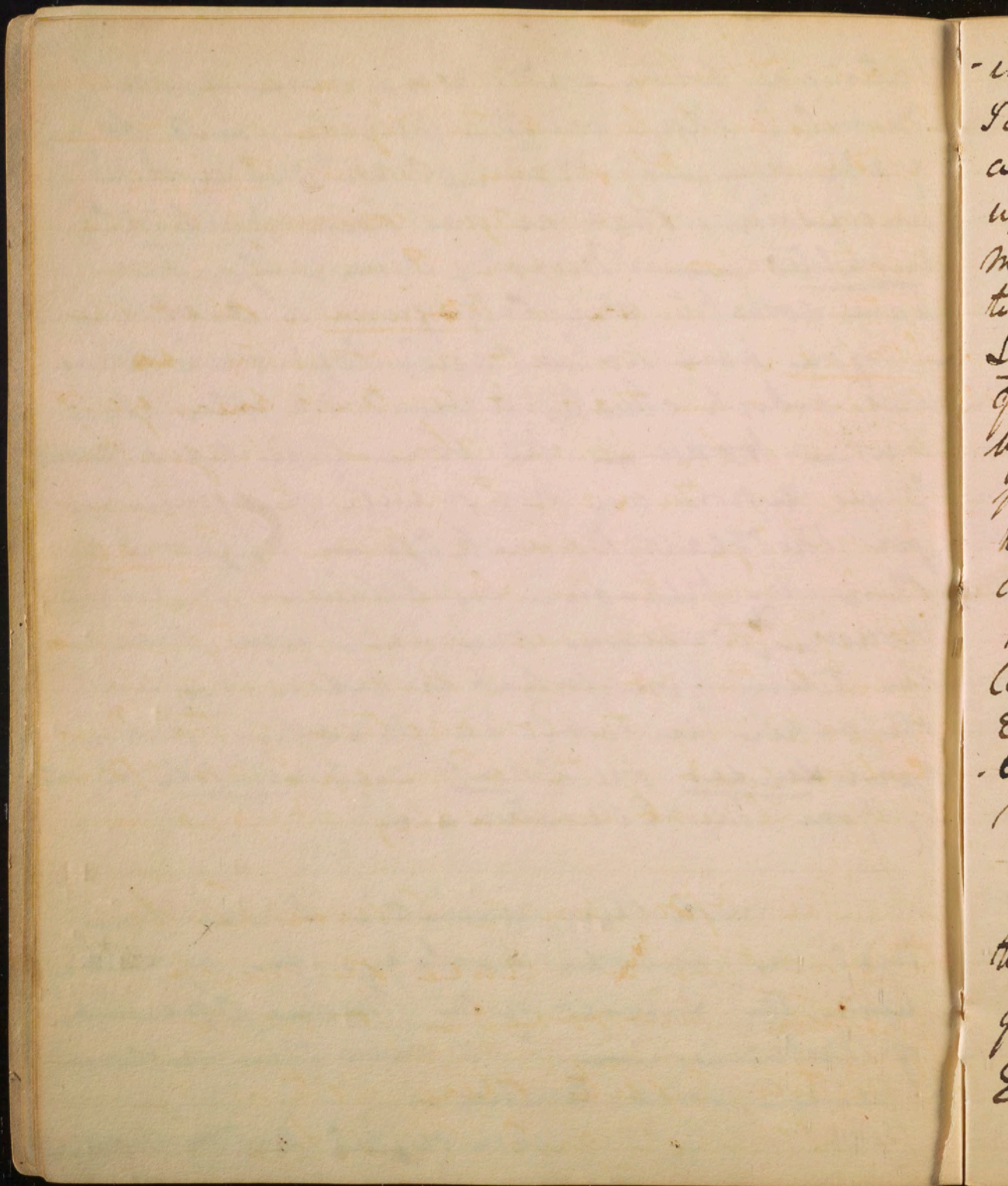
— It marks — a degraded — and Lazy
State of intellect in Medicine, when
Teacher — after Teacher — will persist
in inoculating the Ears of his pupils
with ~~the~~ history of its glaring Errors — in-
stead of pointing out to them its Simple
~~and~~ ~~Truths~~ Truths. ~~How~~ ^{How} degrading —
because — you have all ~~noticed~~ ^{noticed}
~~these~~ these Errors — scarcely pass the
lips of the Lecturer — before they have
been met by his Audience — with
the contemptuous smile — of disbelief —
His association with these Errors — have
the same Effect upon his Mind — that

Modern Ep. Humoral Park - Entering the
Circulation - Author: Blumenbach -
Lester. Musgrave - Magen & Co. - Home
Brooks - in our own City. Paulson
Coates - Lawrence -

intimacy with bad men - have upon
Morals - they - blind - vitiate - and de-
grade him - Nay - Even make him
unconscious - that he has been publicly
insulted - Most of you - Gent -
have come to our City from a distance
- you have voluntarily left those pleas-
ures which cluster around no other place
but - Home - in fine you have come
to us upon an honorable pilgrimage
for Medical Knowledge - Ought I
then in Reason - in feeling - or in
honor - to consume one half your time
in telling you what is useless - and
the other perhaps in masking from
your senses the short and simple objects
of your Medical Education -

With these remarks - I hope you
need no further apology for my silence
upon the subject of the Modus Operandi
of Medicines - I shall therefore com-
mence - with Emetics -

With regard to the Mechan



-ism of Vomiting — and here you will perceive
I am instantly led into the Region of Opinion
a French Physician. named Chirac
upwards of 100 years ago. ~~His~~ experi-
ments performed upon Animals — came
to the conclusion or Opinion — that the
Stomach in the act of Vomiting is
quiescent — that its contents were ejected
by Muscular force alone — Magendie
performed the same Experiments. without
knowledge however of those of Chirac
and came to the same conclusion —
Haighton — however from his Experiments
came to the opinion — that Vomiting is
effected by the contraction of the Mus-
cular coat of the Stomach — an opinion
now almost universally adopted —

The Opinion of course leads
to another — hence the next
question proposed — How do
Emetics excite these actions of
the Stomach and Muscles — in Vomiting

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Darwin's Speculation upon this Subject - That Excitement of the Stomach is diminished by the action of an Emetic - in consequence of which its Peristaltic Motion is inverted - How does this follow as a consequence - when Nausea is produced - (Says he) the Stomach as well as the whole System is in a State of Debility - As the Nausea increases - the Powers of the Stomach are more diminished - until they cease altogether - And then give rise to an inverted Motion of its Muscular fibres - How? Why should this diminished - nay even suspended action of the Stomach - from alleged Debility give rise - to new and inverted Motion

Waltz an Auerbach

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12 months one year
 600, making
 200 } 4 months
 800 } 4.500

600
 60
 600

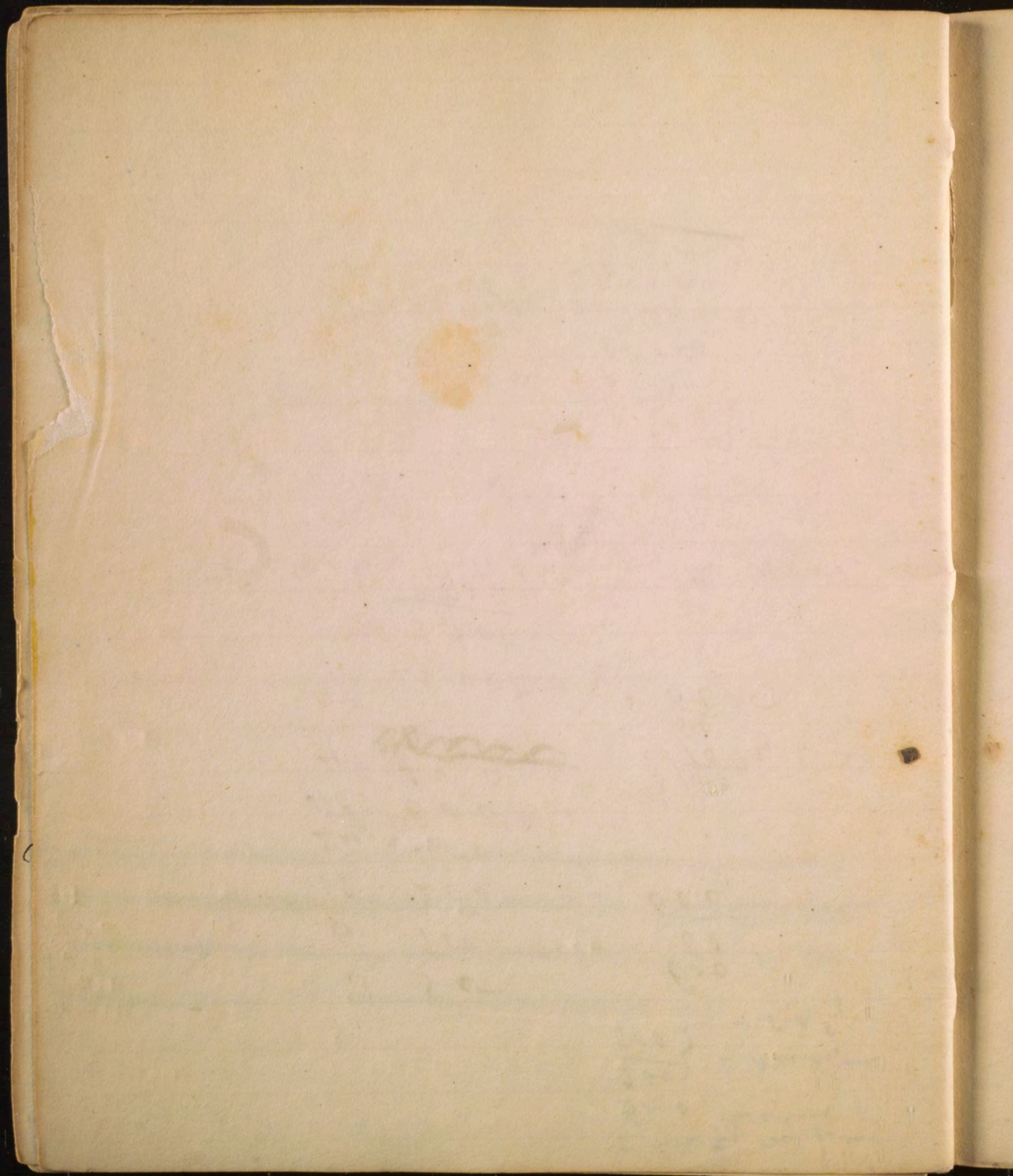
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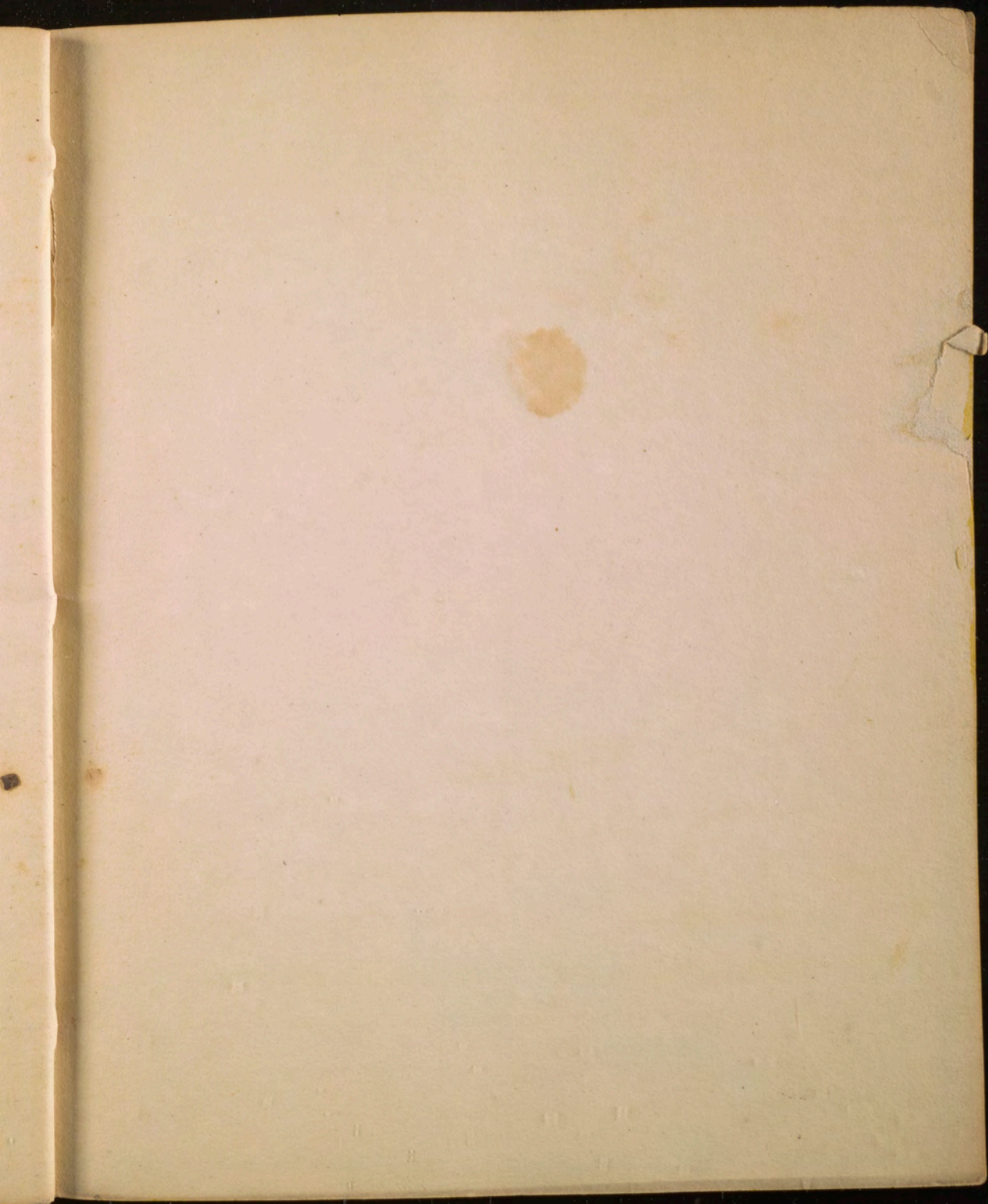
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At what a rate here in the 88000

3 30
 5 100
 12 200
 24 400
 48 800
 96 1600
 153 2400





MULTIPLICATION TABLE.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75
4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125
6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138	144	150
7	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140	147	154	161	168	175
8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192	200
9	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153	162	171	180	189	198	207	216	225
10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250
11	22	33	44	55	66	77	88	99	110	121	132	143	154	165	176	187	198	209	220	231	242	253	264	275
12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300
13	26	39	52	65	78	91	104	117	130	143	156	169	182	195	208	221	234	247	260	273	286	299	312	325
14	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280	294	308	322	336	350
15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375
16	32	48	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320	336	352	368	384	400
17	34	51	68	85	102	119	136	153	170	187	204	221	238	255	272	289	306	323	340	357	374	391	408	425
18	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288	306	324	342	360	378	396	414	432	450
19	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323	342	361	380	399	418	437	456	475
20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500
21	42	63	84	105	126	147	168	189	210	231	252	273	294	315	336	357	378	399	420	441	462	483	504	525
22	44	66	88	110	132	154	176	198	220	242	264	286	308	330	352	374	396	418	440	462	484	506	528	550
23	46	69	92	115	138	161	184	207	230	253	276	299	322	345	368	391	414	437	460	483	506	529	552	575
24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480	504	528	552	576	600
25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625